

SUBMITTAL DATA SHEET

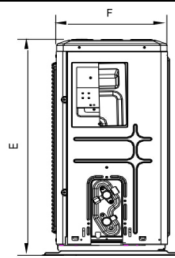
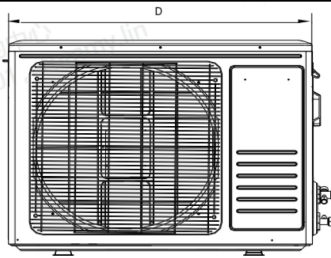
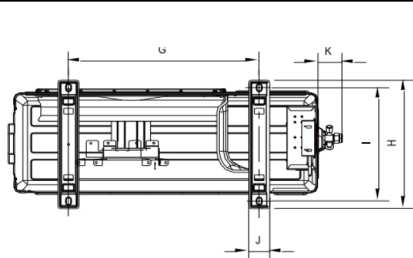
Job Name _____
 Buyer _____
 Submitted to _____
 Unit Designation _____

Location _____
 Engineer _____
 Reference _____ Approval _____ Construction _____
 Schedule # _____

AHRI #	217496789		
Outdoor Model #	AOODU-1D3S		
Indoor Type	Non-Ducted		
	Ducted		
	Mix		
Certification	ETL	AHRI	
	Energy Star	NEEP	



Outdoor Unit Dimension



Model	Outdoor Unit (inch/mm)							
	D	E	F	G	H	I	J	K
H27FMH22XPC								

27,000 BTU Four ZONE Condenser Combinations:

Two Units			Three Units					Four Units				
6+18	9+18	12+24	6+6+6	6+9+9	6+12+18	9+9+18	9+18+18	6+6+6+6	6+6+9+12	6+6+18+18	6+9+12+18	9+9+9+18
6+24	9+24	18+18	6+6+9	6+9+12	6+12+24	9+9+24	12+12+12	6+6+6+9	6+6+9+18	6+9+9+9	6+12+12+12	9+9+12+12
9+9	12+12	18+24	6+6+12	6+9+18	6+18+18	9+12+12	12+12+18	6+6+6+12	6+6+9+24	6+9+9+12	6+12+12+18	9+9+12+18
9+12	12+18	24+24	6+6+18	6+9+24	9+9+9	9+12+18	12+12+24	6+6+6+18	6+6+12+12	6+9+9+18	9+9+9+9	9+12+12+24
			6+6+24	6+12+12	9+9+12	9+12+24		6+6+6+24	6+6+12+18	6+9+9+24	9+9+9+12	12+12+12+12
								6+6+9+9	6+6+12+24	6+9+12+12		

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SYSTEM PERFORMANCE DATA

Power supply 208/230 / 1 / 60

Voltage Range (Min - Max) V 175 - 265

Electrical

Min. Circuit Ampacity - MCA A 22

Max. FUSE Size A 35

Cooling Capacity BTU/h 27,000

(Min - Max) (5,500~37,500)

Rated Input Power W 1928

Rated Current A 8.9

Heating Capacity (Min - Max) BTU/h 27,000

(Min - Max) (5,500 ~4,100)

Rated Input Power W 1,907

Rated Current A 8.6

REFRIGERANT PIPING DATA

Refrigerant Type / Charged oz R454B / 98.8

Pre-Charge Length Total ft (m) 98(30)

Design Pressure PSIG 725

Line Set Sized (Liquid - Gas) in 4 X (1/4 – 3/8)

Add. Charge - Φ6.35 (1/4) oz/ft 0.11

Add. Charge – Φ9.52 (3/8) oz/ft 0.22

Line Set Length (Max) - Each ft (m) 98 (30)

Line Set Length (Max) - Total ft (m) 262 (80)

Max. Line Set Height Difference
Btwn. ODU & Furthest IDU ft (m) 49 (15)

Max. Line Set Height Difference
Btwn. IDUs ft (m) 33(10)

Connection method Threaded Connection

Throttle Type Capillary + EXV

OUTDOOR UNIT DATA

Compressor Type INVERTER, DC

Brand & Model HIGHLY/MTD280SKPC8LT8C

Input W 2,475

Rated current (RLA) A 10.0

Refrigerant Oil / Charge 850

Motor Type DC

Brand & Model DAYANG/ZW511D000017

Input W 200

Speed r/min 700

Performance

Air Flow (Max) CFM 1,882

Sound Pressure Level dB(A) 65

Unit Data

External Dimensions (W x H x D) in 42.3 × 33.6 × 18.4

mm 1074 × 853 × 468

Package Dimensions (W x H x D) in 44.7 × 35.4 × 20.9

mm 1135 × 900 × 530

Weight (Net / Gross) lbs (kgs) 145.5/157 (66 / 71)

Temperature Range

Outdoor Cooling Range °F (°C) 5~131 (-5~55)

Outdoor Heating Range °F (°C) -22~75 (-30~24)

SYSTEM PERFORMANCE DATA

SEER2 (Non-Ducted) 26.5 SEER2 (Ducted) / MIX SEER2 /

EER2 (Non-Ducted) 14 EER2 (Ducted) / MIX EER2 /

HSPF2-4 (Non-Ducted) 10.5 HSPF2-4 (Ducted) / MIX HSPF2-4 /

COP (Non-Ducted) 4.15 COP (Ducted) / MIX COP /